

Amendments to the Drawings

The attached proposed sheet of drawings includes changes to Figs. 3a, 3b, 3c, 4a, 4b, 4c, 4d, 5a, 5b, 5c, and 5d and replaces the original drawing sheets of Figs. 3a and 3b, Figs. 3c and 4a, Figs. 4b and 4c, Figs. 4d and 5a, Figs. 5b and 5c and Figs. 5d and 6a. Annotated sheets showing the changes made are attached along with replacement sheets.

Figs. 3a, 3b, and 3c have been amended to include an arrow point on the reference line 43. Fig. 3a has been amended to extend reference line 66. Fig. 3b has been amended to extend reference lines 66 and 65. Fig. 3c has also been amended to identify passivation layer 62, as in Figs. 3a and 3b. Fig. 3c has also been amended to show an opening to the aluminum metal 61' as described in the first full paragraph on page 24, and in the paragraph bridging pages 15 and 16, and as shown in Figs. 6c and 6d. A missing line between layers 58 and 60 has been added.

Fig. 4a has been amended to remove the reference number 43. 43 is a power or ground node. Fig. 4a addresses signals, as described in the paragraph bridging pages 24 and 25, not power or ground voltages. Fig. 4a has also been amended to replace 44 with 45, as shown in Fig. 4b. A reference number 61 has also been added to the right side of the figure. The reference lines 70 and 72 have been extended.

Fig. 4b has been amended to correct the positioning of the line for reference numbers 63 and 67, as shown in Fig. 4c. The prime has been deleted from 42 to be consistent with Figs. 4a and 4c. 43 has been removed, as discussed above. Duplicate reference number 65 has been removed.

Fig. 4c has been amended to replace 44 with 45, as shown in Fig. 4b. Fig. 4c has also been amended to correct 42 to point to one of the circuits next to an intra-chip driver or receiver 80. 43 has been removed, as discussed above. Reference lines 61 and 70 have been extended.

Fig. 4d been amended to correct 42 to point to one of the circuits next to an intra-chip driver or receiver 80 and to show 42' on the right side of the figure. 43 has been removed, as discussed above. Duplicate reference number 65 has been removed.

Fig. 5a has been amended to remove reference number 42 which is not part of this figure. This figure shows driver/receivers, transceivers, or repeater devices 101 and 102, as described in the paragraph bridging pages 29 and 30.

Fig. 5b has been amended to refer to the lines in layer 64 as 71 and the lines in layer 60 as 71', as described in the last paragraph on page 30. A reference line 71' has been added to the right side of the figure. Fig. 5b has also been amended to replace 42' with 42. 43 has been removed as discussed above.

Fig. 5c has been amended to show 42' on the right side of the figure and to correct 42 to point to one of the circuits next to an intra-chip driver or receiver 80. 43 has been removed as discussed above.

Fig. 5d has been amended to show 42' on the right side of the figure and to correct 42 to point to one of the circuits next to an intra-chip driver or receiver 80, as shown in amended Figs. 4c and 5c. A reference number 71' has been added to the right side of the figure, as in Fig. 4d. 43 has been removed as discussed above.

Attachment: Annotated sheets and Replacement sheets

REMARKS

Claims 122-125, 127-138, 140-143, 145-151, 153-156, 160-185 are pending; Claims 122, 134-138, 140, 153-156, 160 and 166 are currently amended; Claims 1-121, 126, 139, 144, 152, 157-159 are canceled; Claims 172-185 are newly added. No new matter has been added.

The Specification has been amended to correct typographical errors and to add reference numbers as shown in the drawing figures. The amendment to page 19, lines 15-16 to describe 58 as a layer including the semiconductor devices 42 is supported by Fig. 3a and by lines 20-21 on page 20.

The claims have been amended to improve wording and to better claim the invention as described in the Specification and as shown in the drawing figures. The amendment to claims 138 and 156 is supported by the last paragraph on page 24. New claims 172, 177, 182, and 184 are supported by the Specification at the bottom of page 13. New claims 173, 178, 183, and 185 are supported by the Specification at the bottom of page 28. Claims 174 and 179 are supported by the Specification at the top of page 30. Claims 175 and 180 are supported by the original claim 11. Claims 176 and 181 are supported by the Specification at the middle of page 32.

All Claims are believed to be in condition for Allowance, and that is so requested.

It is requested that should Examiner Picardat not find that the Claims are now Allowable that the Examiner call the undersigned at 845 4525863 to overcome any problems preventing allowance.

Respectfully submitted,

A handwritten signature in black ink, appearing to be 'SBA', with a long horizontal flourish extending to the right.

Stephen B. Ackerman, Reg. No. 37,761

Attachment: Annotated sheets and Replacement sheets

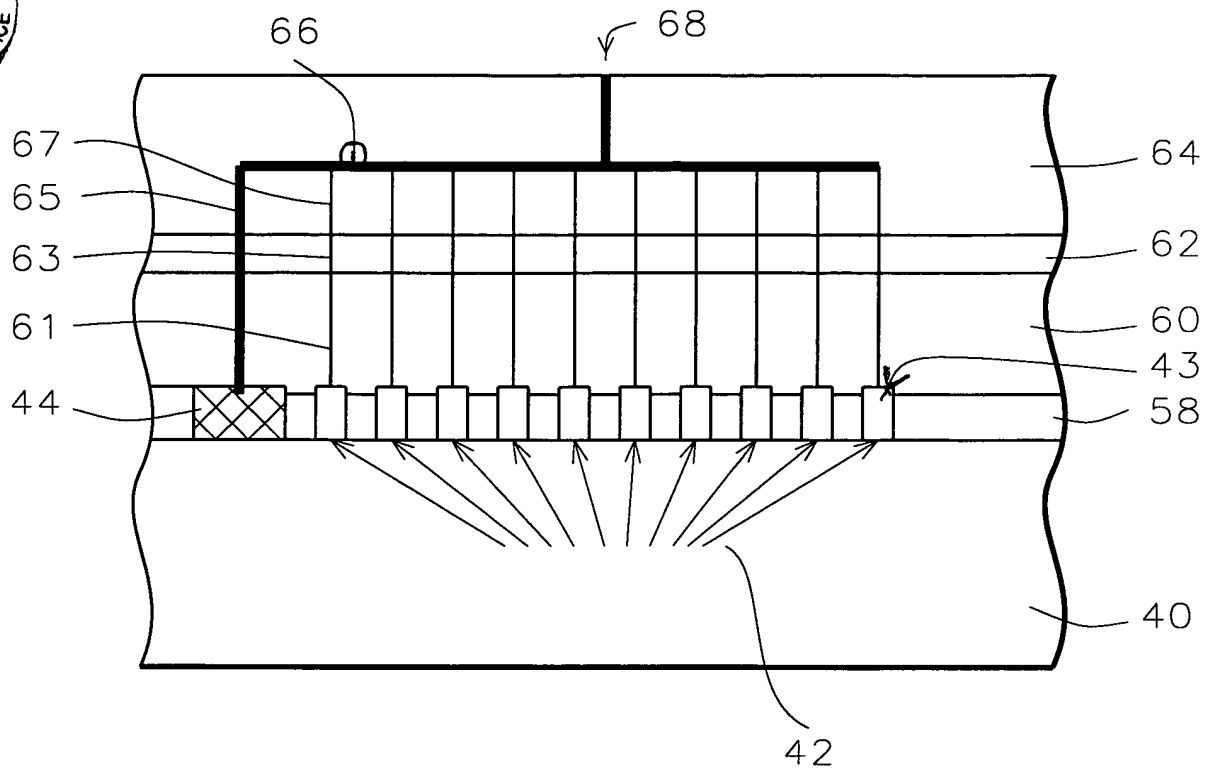


FIG 3a

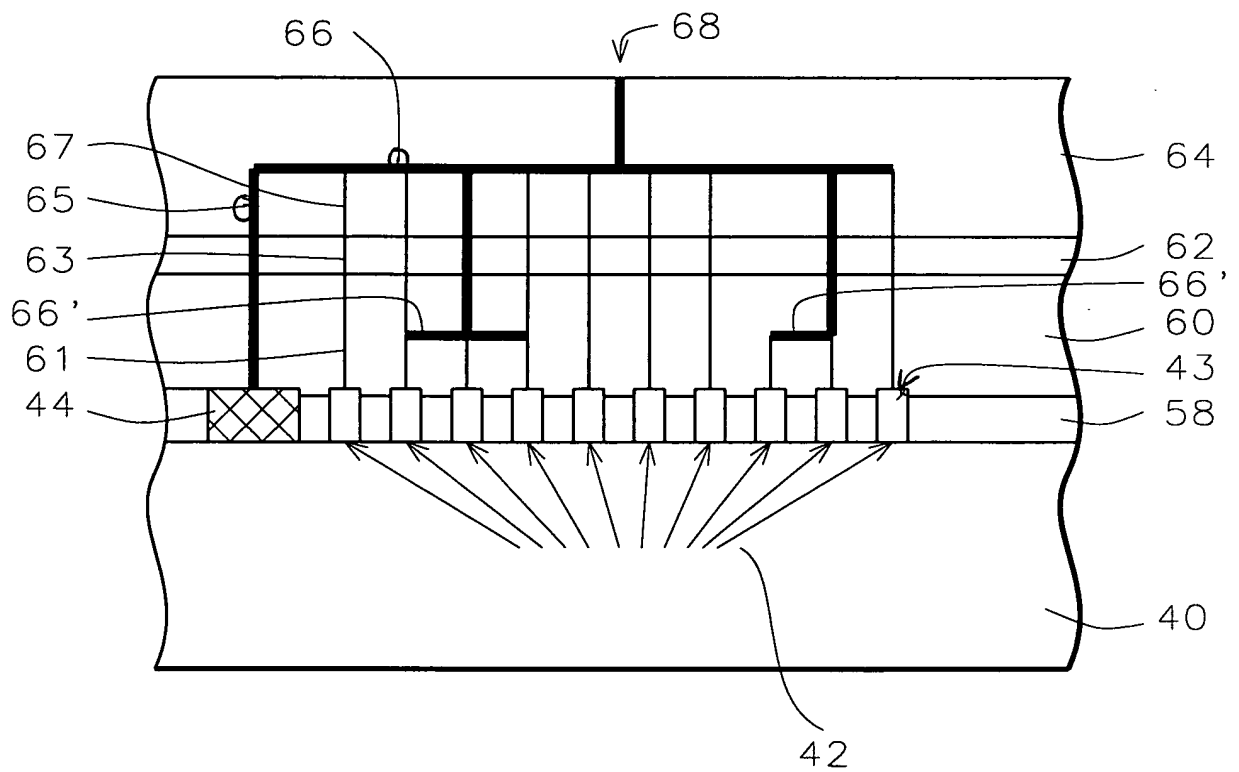


FIG. 3b

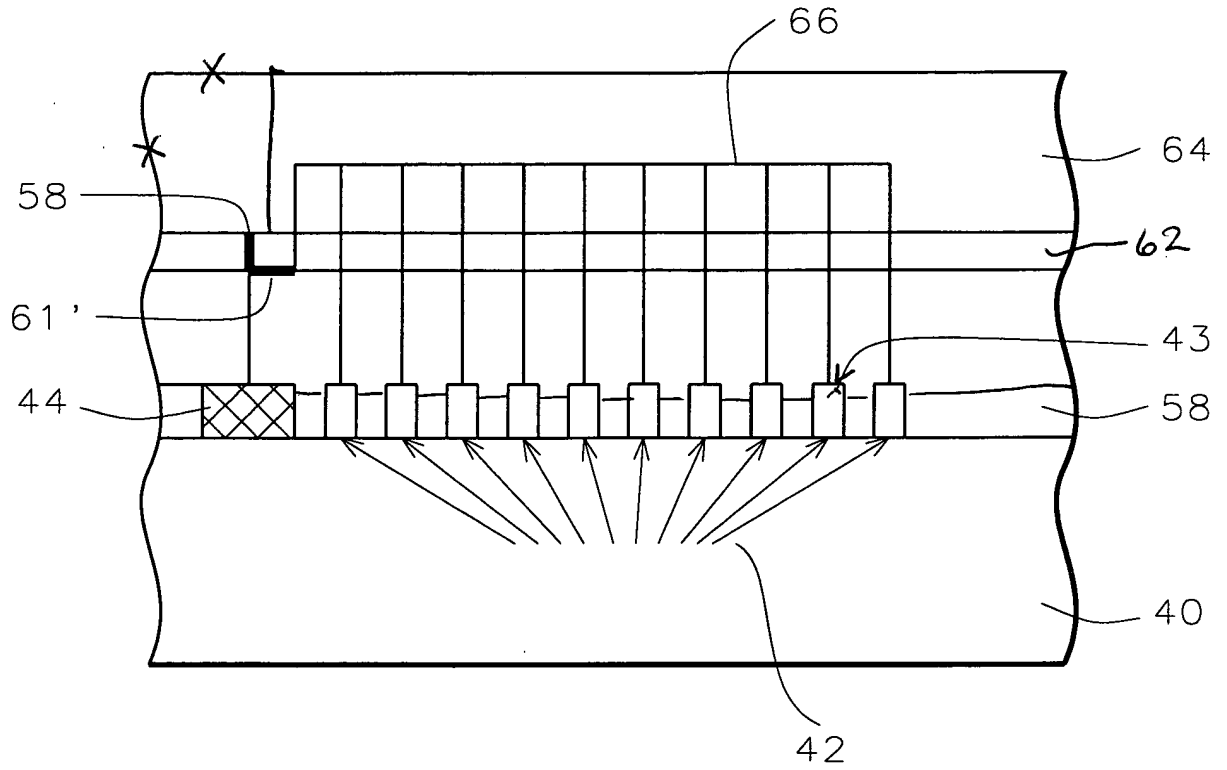


FIG 3c

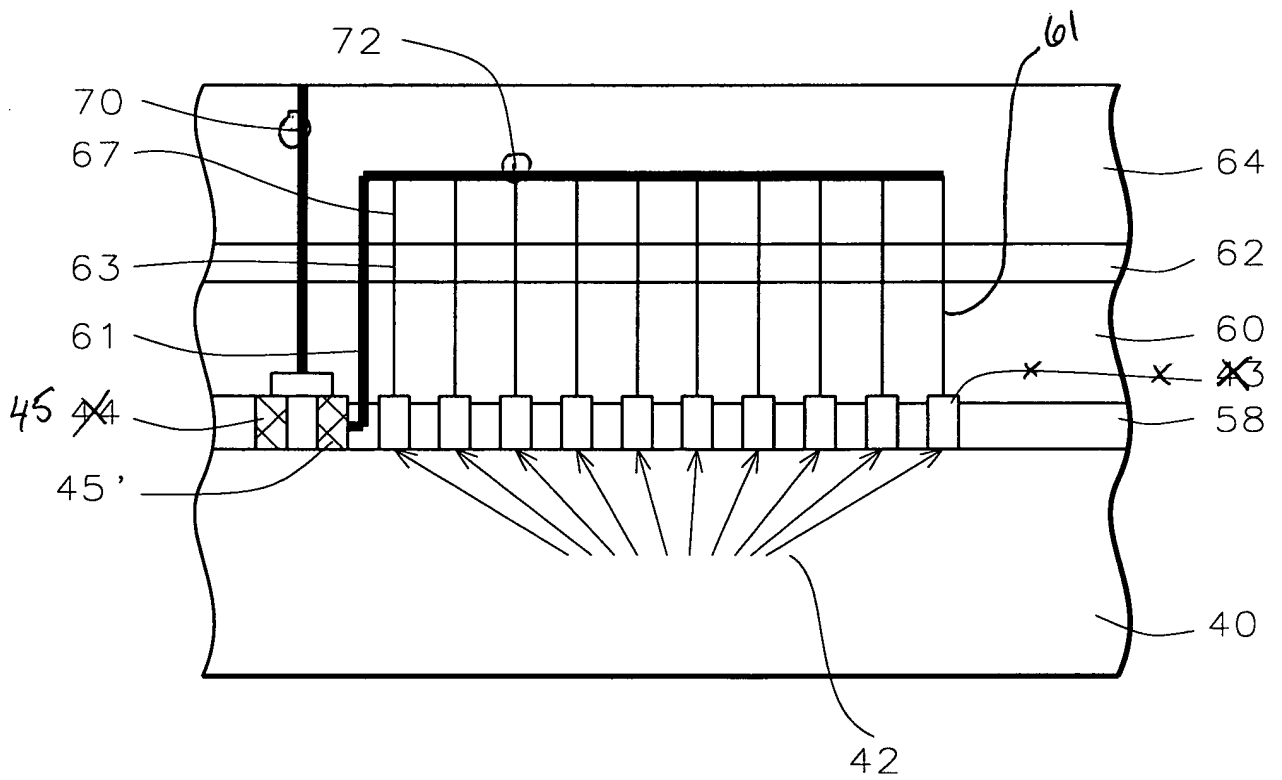


FIG. 4a

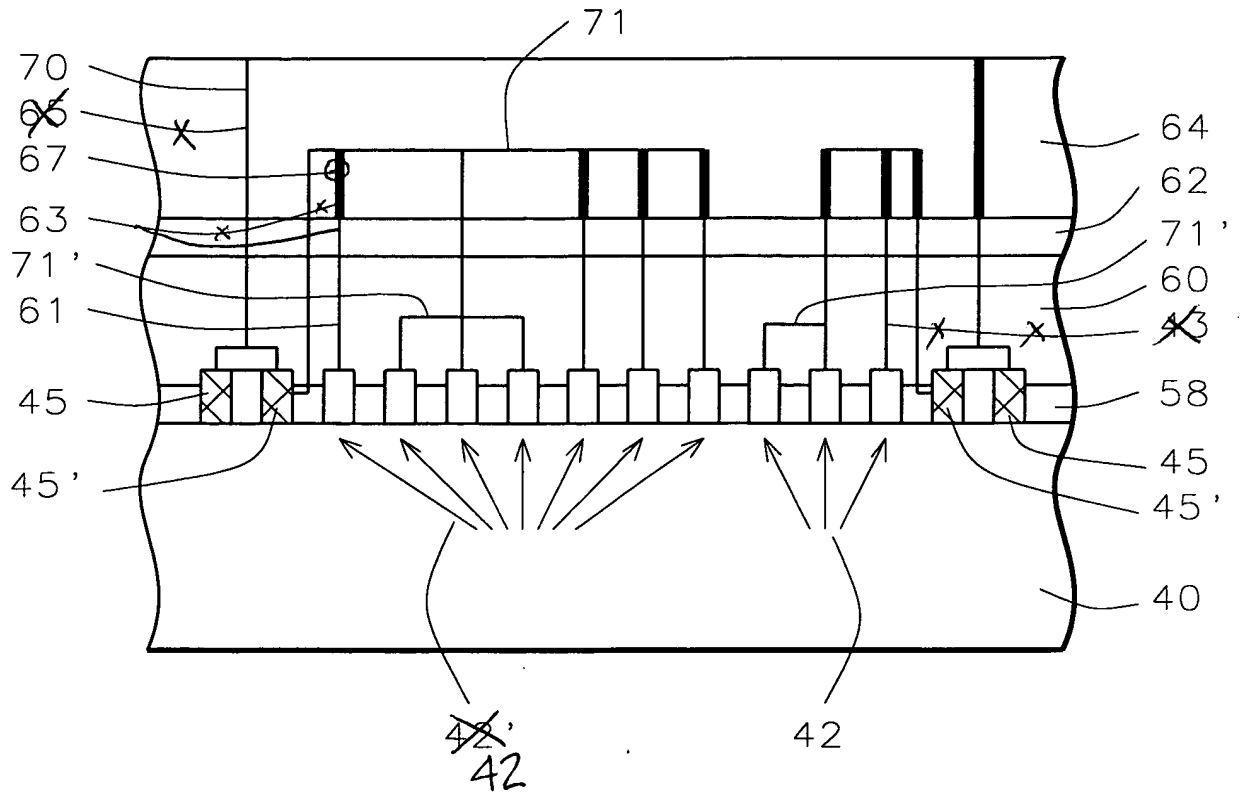


FIG 4b

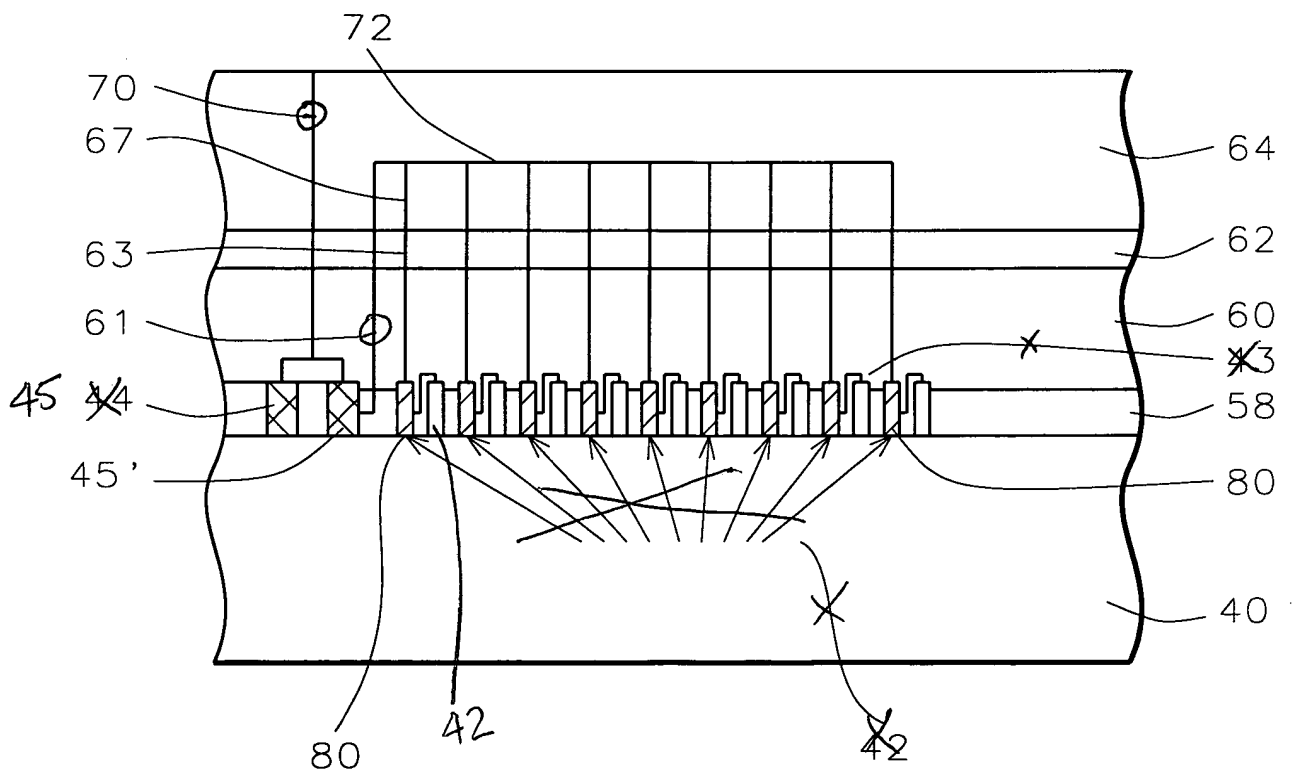


FIG. 4c

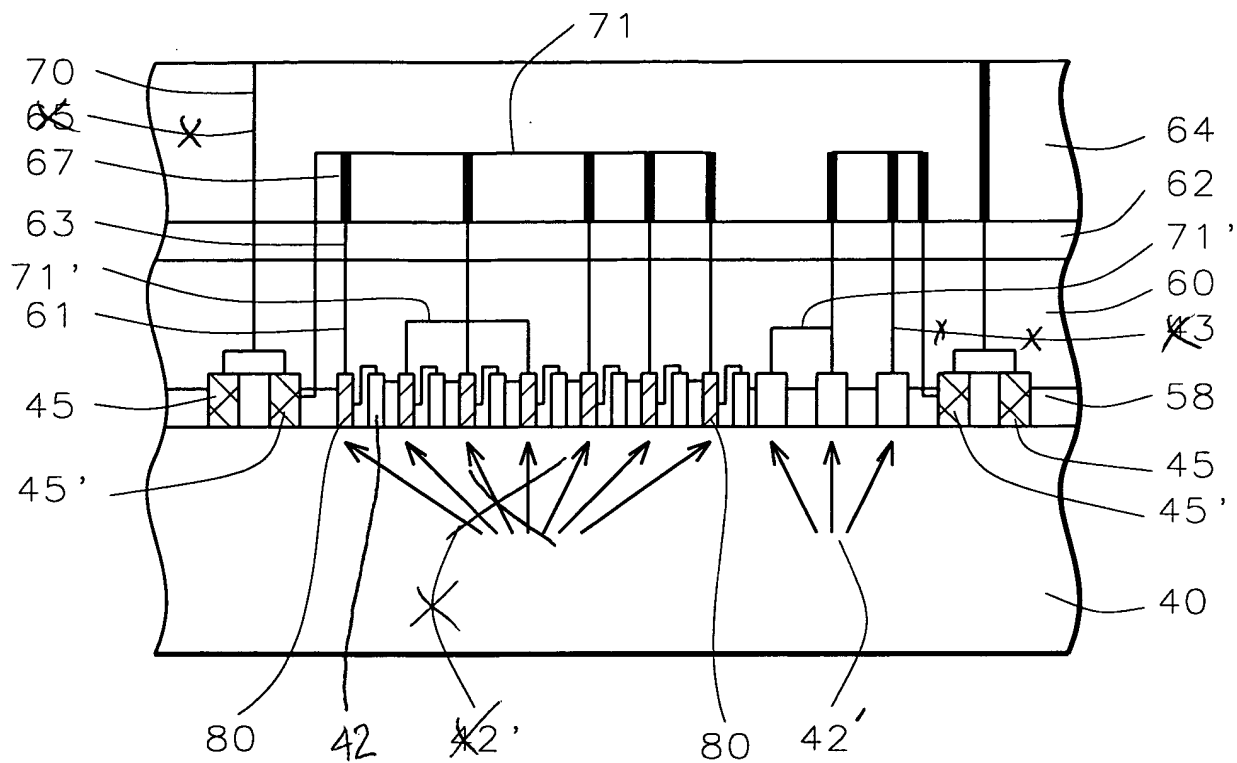


FIG 4d

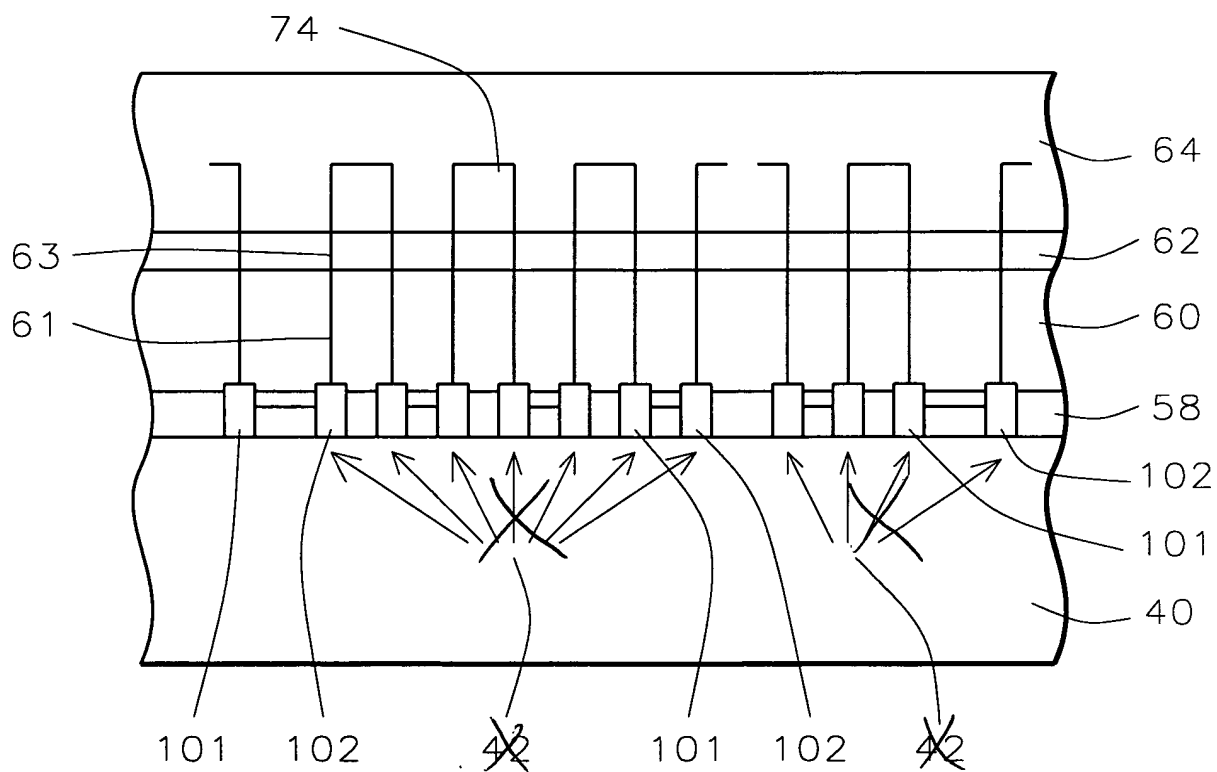


FIG. 5a

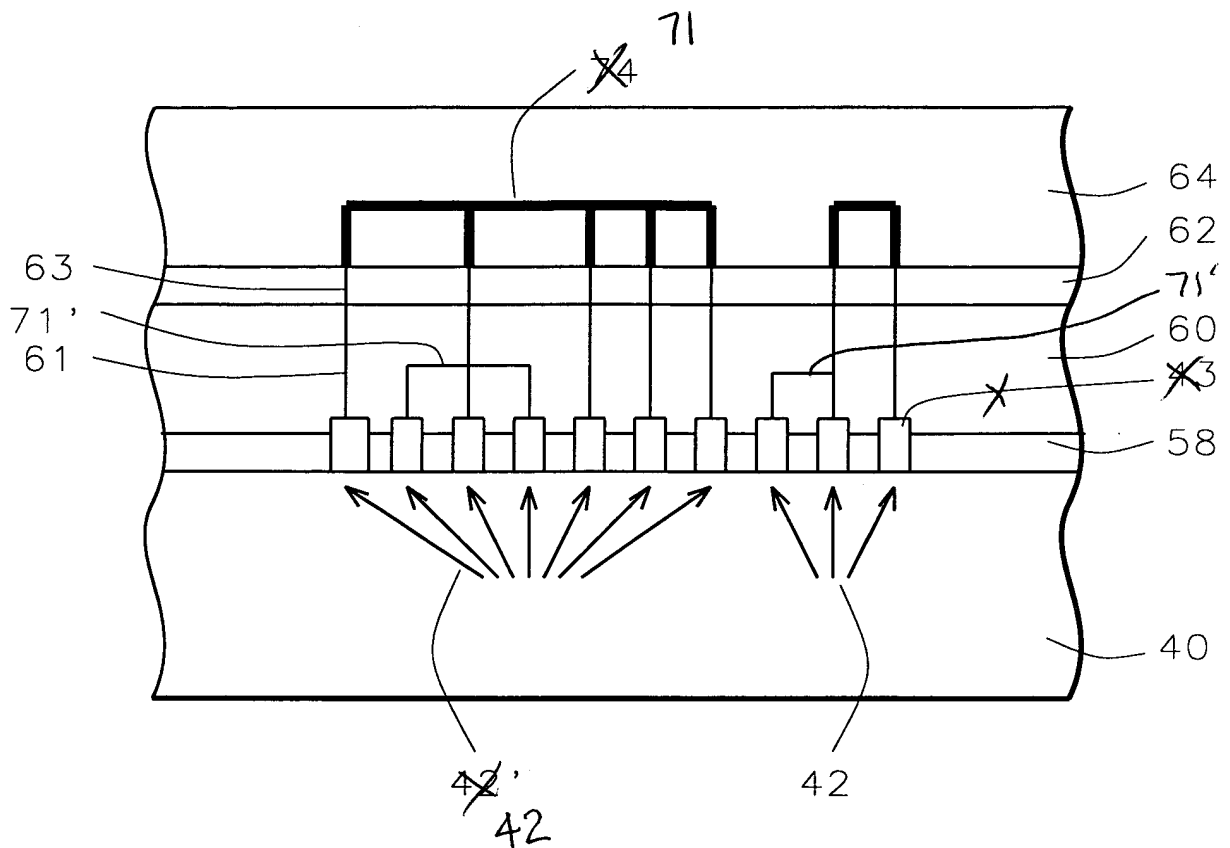


FIG 5b

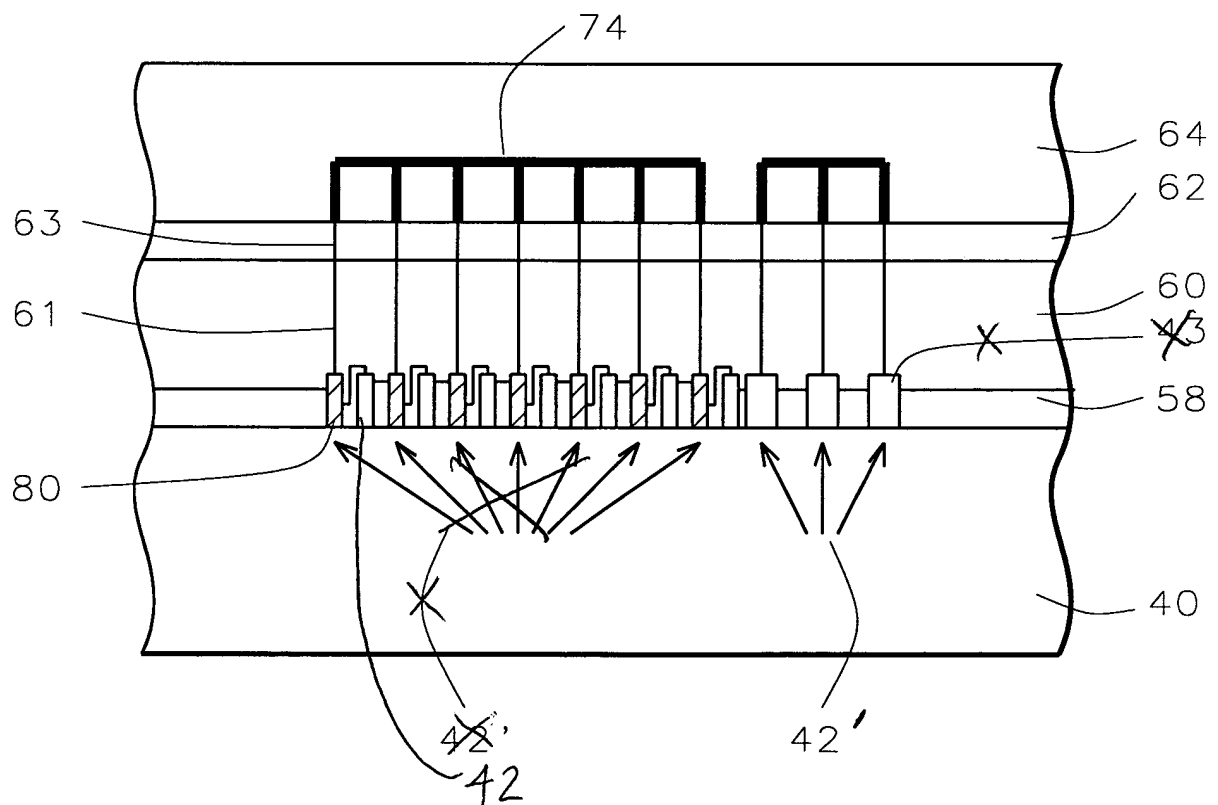


FIG. 5c

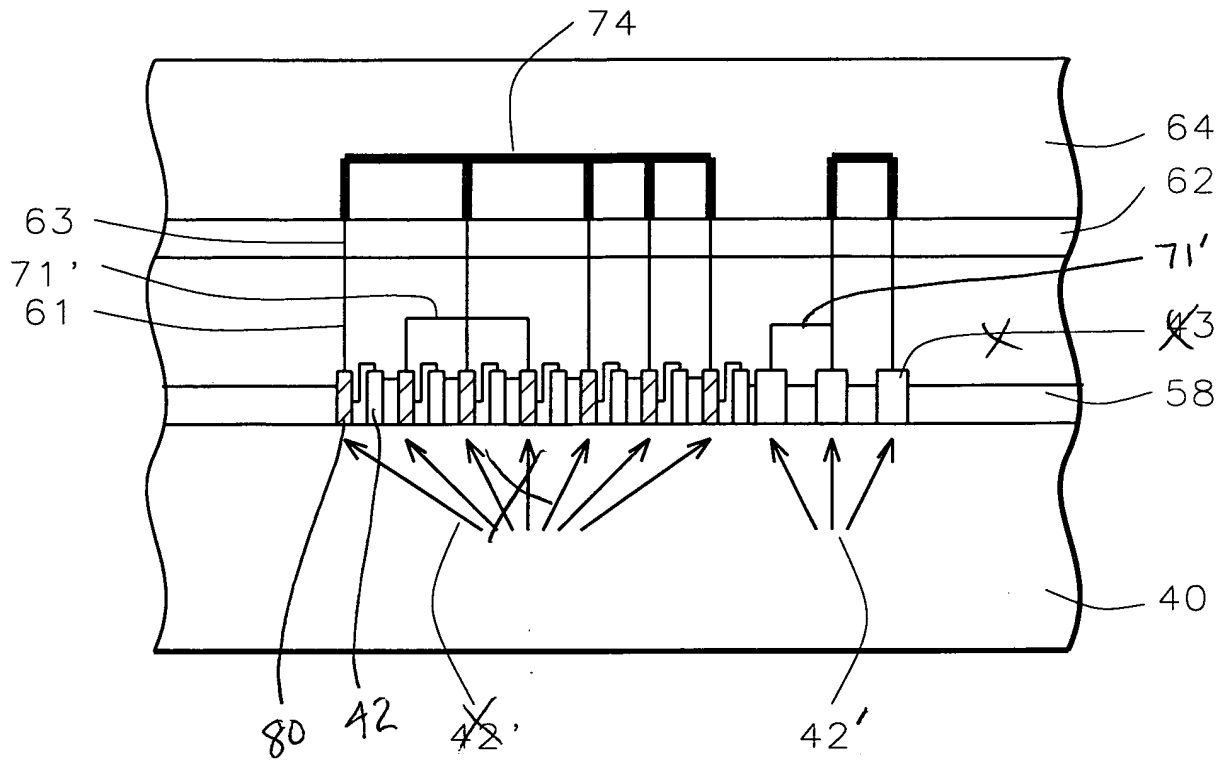


FIG 5d

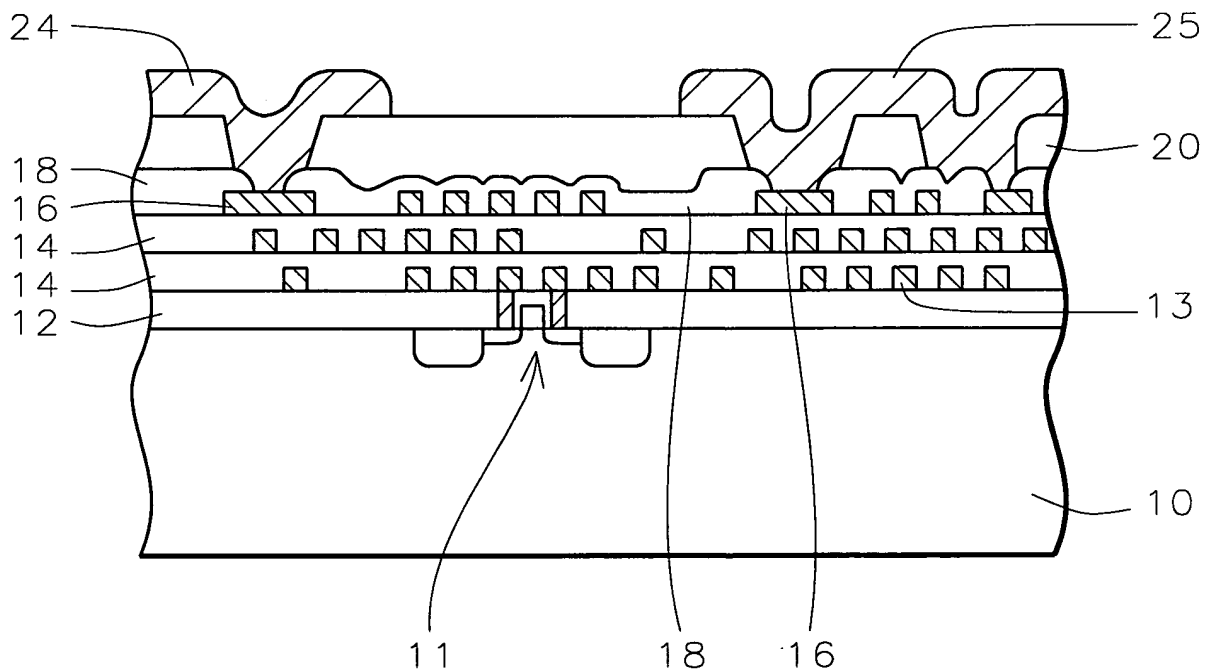


FIG. 6a